



Plant Breeding Genetics Workshops

Plant Breeding Genetics Workshops

NTHRYS BIOTECH LABS provides a diverse array of workshops in the realm of Plant Breeding and Genetics. Explore our comprehensive offerings below

[Plant Breeding Genetics Workshops Application Process](#)

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Embark on a Plant Breeding Genetics Adventure: Find the Perfect Workshop!

1. [Workshop in Practical Techniques in Plant Breeding and GeneticsPDF](#)
2. [Workshop in Advanced Techniques in Plant Breeding and GeneticsPDF](#)
3. [Workshop in Emerging Technologies in Plant Breeding and GeneticsPDF](#)
4. [Workshop in Plant Breeding and Genetics for Crop ImprovementPDF](#)
5. [Workshop in Integrative Approaches in Plant Breeding and GeneticsPDF](#)

1. Workshop in Practical Techniques in Plant Breeding and Genetics

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.

Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Introduction to Plant Breeding and Genetics

Overview of plant breeding and genetics.

Techniques for genetic analysis and breeding.

Case studies on successful plant breeding projects.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Molecular Breeding Techniques

Hands-on techniques for molecular breeding.

Marker-assisted selection and genomic selection.

Practical session on genotyping and phenotyping.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Quantitative Genetics

Introduction to quantitative genetics in plant breeding.

Practical demonstration of quantitative trait loci (QTL) mapping.

Discussion on applications in crop improvement.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Case Studies and Applications

Review of significant case studies in plant breeding and genetics.
Applications in developing new crop varieties.
Future trends and research directions.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.
Dialogue on overcoming challenges in adopting new technologies in similar sectors.
Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes

2. Workshop in Advanced Techniques in Plant Breeding and Genetics

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.
Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Advanced Genetic Analysis

Advanced techniques in genetic analysis.
Practical session on next-generation sequencing for breeding.
Troubleshooting and optimizing genetic data analysis.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Genomic Selection

Overview of genomic selection in plant breeding.
Practical session on using genomic selection tools.
Case studies on genomic selection applications.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Breeding for Stress Tolerance

Using breeding techniques to develop stress-tolerant crops.
Practical session on screening for stress tolerance.
Case studies on successful stress-tolerant crops.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Biotechnology in Plant Breeding

Strategies for integrating biotechnology in plant breeding.
Case studies on biotechnological applications.
Future trends and challenges in the field.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.
Dialogue on overcoming challenges in adopting new technologies in similar sectors.
Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes

3. Workshop in Emerging Technologies in Plant Breeding and Genetics

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.
Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: CRISPR-Cas9 in Plant Breeding

Introduction to CRISPR-Cas9 technology.
Applications of CRISPR in plant breeding.
Hands-on session with CRISPR tools.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Genomic Data Analysis

Using high-throughput data analysis in plant breeding.

Practical session on setting up and running genomic workflows.

Troubleshooting and optimizing performance.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Integrative Approaches

Combining breeding with other biological data.

Case studies on integrative approaches.

Practical session on multi-omics data integration.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Future Directions

Emerging trends and technologies in plant breeding and genetics.

Discussion on potential breakthroughs and innovations.

Networking session for collaborative research opportunities.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.

Dialogue on overcoming challenges in adopting new technologies in similar sectors.

Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes

4. Workshop in Plant Breeding and Genetics for Crop Improvement

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.

Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Breeding for Yield Improvement

Introduction to breeding techniques for yield improvement.

Case studies on successful yield improvement projects.

Practical session on yield analysis and selection.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Enhancing Nutritional Quality

Techniques for enhancing the nutritional quality of crops.

Case studies on nutritional enhancement.

Practical session on analyzing nutritional traits.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Disease Resistance in Crops

Using breeding techniques to improve disease resistance.

Case studies on disease-resistant crops.

Practical session on developing resistant crop varieties.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Future Challenges in Crop Improvement

Discussion on future challenges and opportunities in plant breeding and genetics for crop improvement.

Strategies for addressing these challenges.

Networking session for collaborative solutions.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.

Dialogue on overcoming challenges in adopting new technologies in similar sectors.

Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes

5. Workshop in Integrative Approaches in Plant Breeding and Genetics

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.

Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Multi-Omics Data Integration

Introduction to multi-omics data integration.

Practical session on combining genetic, epigenetic, and proteomic data.

Case studies on integrative approaches.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Breeding and Ecology

Exploring the intersection of breeding and ecology.

Case studies on ecological applications.

Practical session on ecological data analysis.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Computational Tools and Resources

Overview of computational tools for plant breeding and genetics.

Hands-on session with popular software and databases.

Discussion on best practices and resources.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Future Trends and Collaborations

Discussion on future trends in plant breeding and genetics.

Strategies for fostering collaborations.

Networking session for potential partnerships.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.

Dialogue on overcoming challenges in adopting new technologies in similar sectors.

Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes

Note: NTHRYS Management reserves the right to modify the workshop module at any time without prior notice. Registered or enrolled candidates will receive the module that is current on the day of enrollment.

NTHRYS Workshops Department

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Plant Breeding Genetics Workshops Application Process

1. Select a workshop from the list.
2. Contact via whatsapp on the number present above to request fee details and dates suitable for joining. Alternatively, you can send an email to workshops (a t) nthrys [d 0 t] com.
3. Our Workshop department will contact you promptly to provide further assistance.